

METHOD AND APPARATUS FOR DETERMINING CLASS DEPENDENCIES OF OBJECTS AND/OR CLASSES

ABSTRACT

One embodiment of the present invention provides a system that determines class dependencies of a class. The system operates by: receiving a representation of the class; creating a model of the class from the representation; analyzing the model to detect references to supporting classes; and creating a list of all dependent classes. For each supporting class found, the system recursively determines the dependencies of that class and adds them to the list. In a variation on this embodiment, the system identifies classes that an object depends on by: receiving a representation of an object; parsing the object to identify any classes on which the object depends; and analyzing and documenting the class dependencies of the object and all dependent classes.